



## PATENT ABSTRACTS OF JAPAN

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YAMABE MASAOKI**(54) **FLUORINE-CONTAINING DIISOCYANATE  
CONTAINING SILOXANE BOND**

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(57) Abstract:

NEW MATERIAL: A compound shown by the formula I [Rf is 1W20C perfluoroalkylene having 0W10 ether bonds; A and B are 1W10C alkylene; R<sup>1</sup>WR<sup>4</sup> are 1W3C (substituted)alkyl; n is 1W50; m is 1W3].

EXAMPLE: A compound shown by the formula I.

USE: A raw material for a fluorine-containing block condensation polymer having improved hydrolysis resistance and gas permeability. The characteristics of the polymer can be controlled by selecting a molecular chain extender.

PROCESS: For example, a fluorine-containing diisocyanate [e.g., OCNCH<sub>2</sub>(CF<sub>2</sub>)<sub>4</sub>CH<sub>2</sub>CO, etc.] shown by the formula OCNCH<sub>2</sub>RfCH<sub>2</sub>NCO is reacted with a diol (e.g., compound shown by the formula IV, etc.) shown by the formula III in a solvent in a molar ratio of (m+1) mole diisocyanate to m mole diol.

